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484066 — Patent Information

Published Serial No.	484066
Title	**Network interface device which allows peripherals to utilize network transport services**
Patent type	B
Date of Grant	2002/4/21
Application Number	087109168
Filing Date	1998/6/9
IPC	G06F13/14
Inventor	**KUMPF, DAVID A.(US)**

Priority

Country	Application Number	Priority Date
	US19970964073	1997/11/04

Applicant

Name	Country	Individual/Company
HEWLETT-PACKARD COMPANY	US	Company

Abstract

An input/output device is connected to peripheral equipment. The input/output device includes a plurality of network transport modules. Each network transport module implements a different network protocol. The input/output device includes a communication mechanism for communication with the peripheral equipment. The input/output device also includes a gateway module, which interacts with each of the network transport modules and with the communication mechanism. For each endpoint within an application programming interface (API) module within the peripheral equipment, a corresponding endpoint is implemented within the gateway module. A control channel between the gateway module and the API module is used to transport control messages between the gateway module and the API module. For a network transport module which requires data stream communication, control messages are exchanged over the control channel and data stream communication is established via a separate communication channel between the gateway module and the API module.
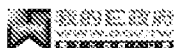
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